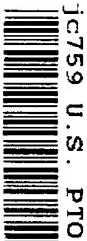


02/12/02



## FORM 1082

FORM PTO-1082

File Number: RPI-112US

THE ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: Yiping Zhao, Yuchuan Chen, Xi-Cheng Zhang, Nachiket R. Raravikar, Pulickel M. Ajayan,  
Toh-Ming Lu, Gwo-Ching Wang, and Linda S. Schadler Feist

For: ULTRAFast ALL-OPTICAL SWITCH USING CARBON  
NANOTUBE POLYMER COMPOSITES

Enclosed are (in addition to the specification):

- ☒ 7 sheets of drawing.  
☐ An assignment of the invention to \_\_\_\_  
☒ An unexecuted Declaration and Power of Attorney.  
☐ A Preliminary Amendment.  
☒ Applicant is entitled to small entity status.  
☒ Information Disclosure Statement, PTO Form-1449, and 16 references.  
☒ This application claims the benefit of U.S. Provisional Application No. 60/267,999 filed February 12, 2001.

The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
FOR:	No. Filed	No. Extra	Rate	Fee		Rate	Fee
Basic Fee				\$370	OR		\$ 740
Total Claims	20-20=	0	x \$9	\$0	OR	x \$18	\$
Indep Claims	4-3=	1	x \$42	\$42	OR	x \$84	\$
<input type="checkbox"/> Multiple Dependent Claim Presented			+ \$140	\$0	OR	+ \$280	\$
			TOTAL	\$412	OR	TOTAL	\$

\*If the difference in Col. 1 is less than zero,  
enter "0" in Col. 2.

- ☐ Please charge my Deposit Account No. **18-0350** the amount of \$ \_\_\_\_ . A duplicate copy of this sheet is enclosed.  
☒ A check in the amount of **\$412.00** to cover the filing fee is enclosed.  
☒ The Assistant Commissioner for Patents is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 18-0350 . A duplicate copy of this sheet is enclosed.  
☒ Any additional filing fees required under 37 CFR 1.16.  
☒ Any patent application processing fees under 37 CFR 1.17.  
☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).  
☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

kak

RATNER AND PRESTIA  
Suite 301,  
One Westlakes, Berwyn  
P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

Respectfully submitted,

Kevin R. Casey, Reg. No. 32,117

**EXPRESS MAIL** Mailing Label Number: EL910363769US  
Date of Deposit: February 12, 2002

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Kathleen C. Libby

J1017 U.S. PTO  
10/074937  
02/12/02